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From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #966
To: Info-Hams

Info-Hams Digest Sat, 27 Aug 94 Volume 94 : Issue 966

Today's Topics:

[Q] On how to program Cardinal sound card, article. where ?
 Converting Grid to Lat-Lon
 Handies and NiMH accus?
 Internet Packet Gateway
 Ragchewing conversational protocol

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Problems you can't solve otherwise to brian@ucsd.edu.

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(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 26 Aug 1994 14:50:42 GMT
From: news.cerf.net!nntp-server.caltech.edu!netline-fddi.jpl.nasa.gov!
elroy.jpl.nasa.gov!swrinde!howland.reston.ans.net!torn!newshub.ccs.yorku.ca!
newshub.ariel.cs.yorku.ca!cs902034@ihnp4.ucsd.edu
Subject: [Q] On how to program Cardinal sound card, article. where ?
To: info-hams@ucsd.edu

Hello world,

Sometime ago, someone called Johan Forrer wrote an article in QEX , AUGUST 1994
issue on how program Cardinal sound card...

Right now, I have the SDK for that article, but I don't know where I can find
a copy of that article.

Can anyone help me out what is the long name of QEX and what is the publisher ?
Or, can anyone send me a copy of that article thru mail or FAX ?

Any help will be very appreciated !!!

Arthur Chow
Fax : (416)292-2364
Office tel : (416)292-0038

Date: 25 Aug 1994 13:00:33 -0700
From: nnntp.crl.com!crl4.crl.com!not-for-mail@decwrl.dec.com
Subject: Converting Grid to Lat-Lon
To: info-hams@ucsd.edu

In article <9408250942.ZM25231@SALCIUS2>,
Wayne_Estes@csg.mot.com (Wayne_Estes) wrote:

> I'm looking for a DOS or Windows program that can:
>
> A. Convert 6-digit Maidenhead grid to Latitude/Longitude.
> B. Convert Latitude/Longitude to 6-digit Maidenhead grid.

Wayne -

The attached Quick BASIC program will perform the functions you mentioned above. Sorry, I don't know who was the original author, so can't give appropriate credits.

73 de Lou / N5SGL

'Grid Square <-> latitude/longitude conversion
,

START:

```
CLS : COLOR 0, 7: PRINT "GRID SQUARE LOCATOR": COLOR 7, 0: PRINT  
PRINT "Which do you want to convert FROM?": PRINT  
COLOR 0, 7: PRINT "L"; : COLOR 7, 0: PRINT "at/Lon  ";  
COLOR 0, 7: PRINT "G"; : COLOR 7, 0: PRINT "rid  ";  
COLOR 0, 7: PRINT "Q"; : COLOR 7, 0: PRINT "uit": PRINT
```

RPT1:

```
a$ = ""  
DO  
    a$ = INKEY$  
LOOP UNTIL a$ <> ""  
IF UCASE$(a$) = "Q" THEN END  
IF UCASE$(a$) = "L" THEN GOTO LL  
IF UCASE$(a$) = "G" THEN GOTO GRID  
GOTO RPT1
```

LL:

```
CLEAR : e9 = .0000001
CLS : COLOR 0, 7: PRINT "LAT/LON": COLOR 7, 0: PRINT
PRINT "Enter SOUTH latitude and EAST longitude as NEGATIVE numbers."
PRINT
INPUT "LAT (DD.MM)"; l
IF l < -90 OR l > 90 THEN RUN
INPUT "LON (DDD.MM)"; o
IF o < -180 OR o > 180 THEN RUN
os = SGN(o): o = ABS(o): ls = SGN(l): l = ABS(l)
la = (INT(l) + (l - INT(l)) / .6) * ls
lo = (INT(o) + (o - INT(o)) / .6) * os
IF lo < 0 THEN lo = lo + 360
w3 = 180 - lo: IF w3 < 0 THEN w3 = w3 + 360
w1 = INT(w3 / 20 + e9)
w2 = INT((w3 - 20 * w1) / 2 + e9) + 48: w1 = w1 + 65
w3 = INT(24 * (w3 / 2 - INT(w3 / 2)) + e9) + 65
l1 = INT((la + 90) / 10 + e9): l2 = INT(la + 90 + e9 - 10 * l1)
l3 = INT((la + 90 - 10 * l1 - l2) * 24 + e9)
l1 = l1 + 65: l2 = l2 + 48: l3 = l3 + 65
g$ = CHR$(w1) + CHR$(l1) + CHR$(w2) + CHR$(l2) + CHR$(w3) + CHR$(l3)
PRINT : PRINT "Grid square = "; UCASE$(g$)
LOCATE 24, 1: PRINT "< Press a key to continue >";
a$ = "": DO: a$ = INKEY$: LOOP UNTIL a$ <> "": GOTO START
```

GRID:

```
CLEAR : e9 = .0000001
CLS : COLOR 0, 7: PRINT "GRID SQUARE": COLOR 7, 0: PRINT
PRINT "Enter 2-, 4-, or 6-character grid square."
PRINT "Short ones will be optimized to center of square.": PRINT
INPUT "Grid square"; g$
g$ = UCASE$(g$)
l3 = LEN(g$): IF l3 < 2 OR l3 > 6 THEN RUN
IF l3 = 1 OR l3 = 3 OR l3 = 5 THEN RUN
SELECT CASE l3
CASE 2
    g$ = g$ + "55LL"
CASE 4
    g$ = g$ + "LL"
END SELECT
LOCATE CSRLIN - 1, 1: PRINT "Grid square = "; g$; "      "
RESTORE
FOR x = 1 TO 6
    READ y$, z$
    t$ = MID$(g$, x, 1): IF t$ < y$ OR t$ > z$ THEN RUN
NEXT x
DATA A,R,A,S,0,9,0,9,A,X,A,X
```

```

w1 = ASC(LEFT$(g$, 1)) - 65
w2 = ASC(MID$(g$, 3, 1)) - 48
w3 = ASC(MID$(g$, 5, 1)) - 65
lo = 180 - 20 * w1 - 2 * w2 - w3 / 12 - 1 / 24
IF lo < 0 THEN lo = lo + 360
l1 = ASC(MID$(g$, 2, 1)) - 65
l2 = ASC(MID$(g$, 4, 1)) - 48
l3 = ASC(RIGHT$(g$, 1)) - 65
la = -90 + 10 * l1 + l2 + l3 / 24 + 1 / 48
IF lo > 180 THEN lo = lo - 360
ls = SGN(la): la = ABS(la)
l = (INT(la) + INT((la - INT(la)) * 60) / 100) * ls
os = SGN(lo): lo = ABS(lo)
o = (INT(lo) + INT((lo - INT(lo)) * 60) / 100) * os
PRINT
PRINT "LAT    (DD.MM) ="; l
PRINT "LON    (DDD.MM) ="; o
PRINT
PRINT "(SOUTH latitude and EAST longitude shown as negative numbers.)"
LOCATE 24, 1: PRINT "< Press a key to continue >";
a$ = "": DO: a$ = INKEY$: LOOP UNTIL a$ <> ""
GOTO START

```

Date: 25 Aug 1994 19:18:40 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!usc!sdd.hp.com!col.hp.com!fc.hp.com!
news.lvld.hp.com!scott@network.ucsd.edu
Subject: Handies and NiMH accus?
To: info-hams@ucsd.edu

Detlef Marxsen (dema@astrax.hanse.de) wrote:
: Hello *,

: I'm about to buy a 2m / 70 cm handy.
: I would like to know if there are NiMH accus available for handies.
: Do all/few/no brands offer that kind of accus?
: I hate the memory effect of NiCd accus ...

Are you sure you really want NiMH's? My experience with them in a Toshiba Laptop have been extremely disappointing. You may hear of reduced shelf life with them. *Extremely* reduced is more like it. Within 24 hours, mine seem to be down at least 50%, and after several days, they're essentially flat. They also seem even more susceptible to heat than NiCd. A couple of hours in the back seat of my car (in a carrier bag) on a warm day, and both of my recently charged packs were stone dead.

Note: these are, obviously, just impressions based on about 8 months

of usage with two packs. I've not made any attempt to scientifically measure the differences. I do know that given my use model for my HT, I'd be *extremely* reluctant to go to NiMH technology batteries. Environmentally friendly they may be, but that still doesn't make them useful.

Scott Turner KG0MR scott@hpsla.LVLD.HP.COM

Date: 26 Aug 1994 15:56:54 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!darkstar.UCSC.EDU!news.hal.COM!
usenet@network.ucsd.edu
Subject: Internet Packet Gateway
To: info-hams@ucsd.edu

In article 0100000@rain.org, ojthach@rain.ORG (Casa de Piedra) writes:
>There is also a internet <-> packet gateway at wb7tpy and n0ary. To
>obtain info on using the gateways. For Wb7tpy, send a message to
>david@stat.com. For n0ary, send a message to bob@arasmith.com. Hope
>this helps

Oops, that would fill up my mailbox :(

For information on the N0ARY gateway send an empty message to:

gateway_info@arasmith.com

and to get information on the N6QMY gateway send your message to:

gateway_info@lbc.com

same bbs code, same services.

Bob Arasmith
bob@hal.com (work)
bob@arasmith.com (home)
n0ary@n0ary.#nocal.ca.usa.na (packet)

Date: Sat, 27 Aug 1994 05:08:51 GMT
From: vigra.com!news.vigra.com!steve@network.ucsd.edu
Subject: Ragchewing conversational protocol
To: info-hams@ucsd.edu

-=> On 25 Aug 1994 17:35:12 GMT, papo@briscas.gamekeeper.bellcore.com (25383-anaya) said:

> Ragchewing conversational protocol.. Hmmm.. I'm having problems with
> ragchewing myself so I'm going to write a couple of things regarding
> this subject [...]

Well well.. looks like I'm not alone! I've had my ticket for two months or so, and I'm starting to get frustrated with the constant stream of ham-radio talk on 2m and 440. Sometimes it seems like it's all talk about repeaters, ham gear, FCC this-and-than, and Nets.. I myself simply can't imagine getting excited about QSL cards and contests. :-) (To each their own, I guess.)

> I am having a hard time being understood at the other end and I do
> not know if it is the rig or if it is me or what's the problem.

Have someone nearby check out the rig, or swap with someone for a while. It sounds silly, but make sure you're using the right angle and distance for the microphone. This can make a big difference.

> Anyway, I'm starting to get dissapointed with VHF ragchewing, I've
> seen better opportunities for conversation in a bar full of couples.

Heh heh.. yup!

> Well, maybe because people do not know what to say. It is hard to
> sit down and talk, specially if you are introvert.

Yep. As an geek and introvert, I have to agree. :-)

I think I've narrowed it down to a couple of hangups, for me anyway:

- 1) You don't know anything about the person you are talking to. Even when you meet someone in a bar, you can look at them and tell if they are neat and buisnesslike, grungy, friendly and smily, sour, or what. Radio gives you none of that. You're just a voice, with no T-Shirt logo hints for favorite interests and such.

I think that's why conversation always seems to revert to ham-radio. It's the only thing you know you have in common.

- 2) It's half-duplex! This is hard to explain, but if you make some joke on the air, you have no idea if anyone even chuckled, or groaned. Telephone gives you this. Same for the "ack-grunts" that let you know the other person is still there and following along, and maybe agrees.

Another problem is that you can't interject like you're used to in full-duplex. You can't just wait for the other person to subtly say "Hmm" or "Yes, but". You just say your piece, and then step down. It's almost subconscious, but real conversation isn't at all like this. Often you talk until they have something to say. You can also stop talking when they don't look interested. :)

- 3) There is too much "clubness" to local air chatter. It's just loaded thick with jargon and jive like QSL, "monitoring", XYL, and such.. That's normal for any hobby, I guess, but sometimes all the protocol really gets in the way of a good talk. (Ask me in a few years, and see if I've QSY'd :-)
- 4) There really are some folks out there that are much more interested in excersizing the RF spectrum than having a stimulating converstion. They are always testing this or that feature, or talking on three bands at once, tweaking the antenna, checking their signal, or accessing every feature of the repeater. I'm hoping these people are just few and verbose.

> Many of those loner and geeks are introverts, they might feel more
> comfortable doing CW, packet or RTTY than phone.

Naw.. packet conversation is just as unstimulating, at least what I've seen. It's all ham-chat.

Just imagine a Usenet with *only* the news.software.* hierarchy, and you have a parallel. :-)

What to do about it?? Well.... it's just like a telephone, I guess. A radio is only as interesting as the person on the other end. It's my job to find cool people to talk to, and seek out meaningful conversation.

Try finding someone you know well that is also a ham, even if they aren't on the radio any more. Lend them an HT or get them to dig theirs up. Somehow, those conversations are always just fine. I guess this just shows it's easier to sustain an enjoyable conversation with someone you know than someone you don't.

-Steve
still learning the ropes..

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End of Info-Hams Digest V94 #966
